



Continuity Information for 09/901858

Parent Data

09901858

Claims Priority from Provisional Application 60216777

is a continuation in part of 09518794

Which Claims Priority from Provisional Application 60122704

is a continuation in part of 09801390

Which is a continuation in part of 09518794**Which Claims Priority from Provisional Application 60187566****Which Claims Priority from Provisional Application 60229984**

is a continuation in part of 09801389

Which Claims Priority from Provisional Application 60187566**Which Claims Priority from Provisional Application 60229984**

Child Data

No Child Data

Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity Data	Foreign Data	Inventors	Address
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Search Another: Application# or Patent#
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FILE 'HOME' ENTERED AT 16:31:28 ON 18 FEB 2004

=> FIL STNGUIDE

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Feb 13, 2004 (20040213/UP).

=> file caplus

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FILE COVERS 1907 - 18 Feb 2004 VOL 140 ISS 8

FILE LAST UPDATED: 17 Feb 2004 (20040217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> cataly? and (parallel or simultaneous?) and (reaction(n)condition)
CATALY? IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (>).

=> s cataly? and (parallel or simultaneous?) and (reaction(n)condition)

1173937 CATALY?

257004 PARALLEL

10465 PARALLELS

266926 PARALLEL

(PARALLEL OR PARALLELS)

364636 SIMULTANEOUS?

2671258 REACTION

1923371 REACTIONS

3563228 REACTION

(REACTION OR REACTIONS)

252504 CONDITION

1462683 CONDITIONS

1663597 CONDITION

(CONDITION OR CONDITIONS)

36556 REACTION(A)CONDITION

L1 489 CATALY? AND (PARALLEL OR SIMULTANEOUS?) AND (REACTION(A)CONDITION)

=> s cataly? and (parallel or simultaneous?) and (reaction?(n)condition?)

1173937 CATALY?

257004 PARALLEL

10465 PARALLELS

266926 PARALLEL

(PARALLEL OR PARALLELS)

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364636 SIMULTANEOUS?
3563485 REACTION?
1756915 CONDITION?
36737 REACTION?(A)CONDITION?
L2      490 CATALY? AND (PARALLEL OR SIMULTANEOUS?) AND (REACTION?(A)CONDITI
ON?)

=> s cataly? and (reaction?(n)condition?)
     1173937 CATALY?
     3563485 REACTION?
     1756915 CONDITION?
     36737 REACTION?(A)CONDITION?
L3      15265 CATALY? AND (REACTION?(A)CONDITION?)

=> s cataly? and (reaction?(n)condition?) and (conver? or selectiv? or yield?)
     1173937 CATALY?
     3563485 REACTION?
     1756915 CONDITION?
     36737 REACTION?(A)CONDITION?
     831805 CONVER?
     555292 SELECTIV?
     1280253 YIELD?
L4      8498 CATALY? AND (REACTION?(A)CONDITION?) AND (CONVER? OR SELECTIV?
OR YIELD?)

=> s cataly? and (reaction?(n)condition?) and (conver? or selectiv? or yield?) and optimiz?
     1173937 CATALY?
     3563485 REACTION?
     1756915 CONDITION?
     36737 REACTION?(A)CONDITION?
     831805 CONVER?
     555292 SELECTIV?
     1280253 YIELD?
     236353 OPTIMIZ?
L5      638 CATALY? AND (REACTION?(A)CONDITION?) AND (CONVER? OR SELECTIV?
OR YIELD?) AND OPTIMIZ?

=> s cataly? and (reaction?(n)condition?) and (conver? or selectiv? or yield?) and optimiz?
and (parallel or simultaneous?)
     1173937 CATALY?
     3563485 REACTION?
     1756915 CONDITION?
     36737 REACTION?(A)CONDITION?
     831805 CONVER?
     555292 SELECTIV?
     1280253 YIELD?
     236353 OPTIMIZ?
     257004 PARALLEL
     10465 PARALLELS
     266926 PARALLEL
           (PARALLEL OR PARALLELS)
     364636 SIMULTANEOUS?
L6      14 CATALY? AND (REACTION?(A)CONDITION?) AND (CONVER? OR SELECTIV?
OR YIELD?) AND OPTIMIZ? AND (PARALLEL OR SIMULTANEOUS?)

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=> d ti au so abs 5

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=> s ((parallel or simultaneous?) (p)cataly?) and (reaction?(n)condition?) and (conver? or
selectiv? or yield?)
257004 PARALLEL
10465 PARALLELS
266926 PARALLEL

(PARALLEL OR PARALLELS)
 364636 SIMULTANEOUS?
 1173937 CATALY?
 24561 (PARALLEL OR SIMULTANEOUS?) (P) CATALY?
 3563485 REACTION?
 1756915 CONDITION?
 36737 REACTION? (A) CONDITION?
 831805 CONVER?
 555292 SELECTIV?
 1280253 YIELD?
 L7 231 ((PARALLEL OR SIMULTANEOUS?) (P) CATALY?) AND (REACTION? (A) CONDITION?) AND (CONVER? OR SELECTIV? OR YIELD?)

 => s ((parallel or simultaneous?) (s)cataly?) and (reaction?(n)condition?) and (conver? or selectiv? or yield?)
 257004 PARALLEL
 10465 PARALLELS
 266926 PARALLEL
 (PARALLEL OR PARALLELS)
 364636 SIMULTANEOUS?
 1173937 CATALY?
 10068 (PARALLEL OR SIMULTANEOUS?) (S) CATALY?
 3563485 REACTION?
 1756915 CONDITION?
 36737 REACTION? (A) CONDITION?
 831805 CONVER?
 555292 SELECTIV?
 1280253 YIELD?
 L8 102 ((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) AND (REACTION? (A) CONDITION?) AND (CONVER? OR SELECTIV? OR YIELD?)

 => s (((parallel or simultaneous?) (s)cataly?) (p) (reaction?(n)condition?)) and (conver? or selectiv? or yield?)
 257004 PARALLEL
 10465 PARALLELS
 266926 PARALLEL
 (PARALLEL OR PARALLELS)
 364636 SIMULTANEOUS?
 1173937 CATALY?
 3563485 REACTION?
 1756915 CONDITION?
 172 ((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION? (A) CONDITION?)
 831805 CONVER?
 555292 SELECTIV?
 1280253 YIELD?
 L9 90 (((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION? (A) CONDITION?)) AND (CONVER? OR SELECTIV? OR YIELD?)

 => s (((parallel or simultaneous?) (s)cataly?) (p) (reaction?(n)condition?)) (p) (conver? or selectiv? or yield?)
 257004 PARALLEL
 10465 PARALLELS
 266926 PARALLEL
 (PARALLEL OR PARALLELS)
 364636 SIMULTANEOUS?
 1173937 CATALY?
 3563485 REACTION?
 1756915 CONDITION?
 831805 CONVER?
 555292 SELECTIV?
 1280253 YIELD?
 L10 84 (((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION? (A) CONDITION?)) (P) (CONVER? OR SELECTIV? OR YIELD?)

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=> s (((parallel or simultaneous?) (s)cataly?) (p)(reaction?(n)condition?)) (p)(conver? or
selectivity or yield?)
    257004 PARALLEL
    10465 PARALLELS
    266926 PARALLEL
        (PARALLEL OR PARALLELS)
    364636 SIMULTANEOUS?
    1173937 CATALY?
    3563485 REACTION?
    1756915 CONDITION?
    831805 CONVER?
    153532 SELECTIVITY
    11065 SELECTIVITIES
    159724 SELECTIVITY
        (SELECTIVITY OR SELECTIVITIES)
    1280253 YIELD?
L11      76 (((PARALLEL OR SIMULTANEOUS?) (S)CATALY?) (P)(REACTION?(A)CONDITIO
N?)) (P)(CONVER? OR SELECTIVITY OR YIELD?)

=> s (((parallel or simultaneous?) (s)cataly?) (p)(reaction?(n)condition?)) (p)(conversion or
selectivity or yield?)
    257004 PARALLEL
    10465 PARALLELS
    266926 PARALLEL
        (PARALLEL OR PARALLELS)
    364636 SIMULTANEOUS?
    1173937 CATALY?
    3563485 REACTION?
    1756915 CONDITION?
    417282 CONVERSION
    19901 CONVERSATIONS
    428896 CONVERSION
        (CONVERSION OR CONVERSIONS)
    153532 SELECTIVITY
    11065 SELECTIVITIES
    159724 SELECTIVITY
        (SELECTIVITY OR SELECTIVITIES)
    1280253 YIELD?
L12      68 (((PARALLEL OR SIMULTANEOUS?) (S)CATALY?) (P)(REACTION?(A)CONDITIO
N?)) (P)(CONVERSION OR SELECTIVITY OR YIELD?)
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=> s (((parallel or simultaneous?) (s) same(s)cataly?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p) (conversion or selectivity or yield?)
257004 PARALLEL
10465 PARALLELS
266926 PARALLEL
(PARALLEL OR PARALLELS)
364636 SIMULTANEOUS?

```

1263062 SAME
  60 SAMES
1263119 SAME
  (SAME OR SAMES)
1173937 CATALY?
1940305 DIFFERENT
  40 DIFFERENTS
1940334 DIFFERENT
  (DIFFERENT OR DIFFERENTS)
294415 VARY?
3563485 REACTION?
1756915 CONDITION?
  417282 CONVERSION
    19901 CONVERSIONS
  428896 CONVERSION
    (CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
  11065 SELECTIVITIES
  159724 SELECTIVITY
    (SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L13      0 (((PARALLEL OR SIMULTANEOUS?) (S) SAME (S) CATALY?) (P) ((DIFFERENT
  OR VARY?) (S) (REACTION? (A) CONDITION?))) (P) (CONVERSION OR SELECTIV
  ITY OR YIELD?))

=> s (((s)same(s)cataly?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p)
  (conversion or selectivity or yield?)
MISSING TERM '((S'
The search profile entered contains a left parenthesis,
'(' followed by an operator.

=> s (((s)same(s)cataly?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p) (conversion
  or selectivity or yield?)
MISSING TERM '((S'
The search profile entered contains a left parenthesis,
'(' followed by an operator.

=> s (((same(s)cataly?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p) (conversion
  or selectivity or yield?)
UNMATCHED LEFT PARENTHESIS '(
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s (same(s)cataly?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p) (conversion or
  selectivity or yield?)
UNMATCHED RIGHT PARENTHESIS 'NDITION?)) (P'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s ((same(s)cataly?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p) (conversion
  or selectivity or yield?)
  1263062 SAME
    60 SAMES
  1263119 SAME
    (SAME OR SAMES)
  1173937 CATALY?
  1940305 DIFFERENT
    40 DIFFERENTS
  1940334 DIFFERENT
    (DIFFERENT OR DIFFERENTS)
  294415 VARY?
  3563485 REACTION?
  1756915 CONDITION?
    417282 CONVERSION
      19901 CONVERSIONS
    428896 CONVERSION

```

(CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
(SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L14 16 ((SAME(S)CATALY?) (P)((DIFFERENT OR VARY?) (S)(REACTION?(A)CONDITION?)) (P)(CONVERSION OR SELECTIVITY OR YIELD?)

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L1 489 S CATALY? AND (PARALLEL OR SIMULTANEOUS?) AND (REACTION(N)COND
L2 490 S CATALY? AND (PARALLEL OR SIMULTANEOUS?) AND (REACTION?(N)COND
L3 15265 S CATALY? AND (REACTION?(N)CONDITION?)
L4 8498 S CATALY? AND (REACTION?(N)CONDITION?) AND (CONVER? OR SELECTIV
L5 638 S CATALY? AND (REACTION?(N)CONDITION?) AND (CONVER? OR SELECTIV
L6 14 S CATALY? AND (REACTION?(N)CONDITION?) AND (CONVER? OR SELECTIV
L7 231 S ((PARALLEL OR SIMULTANEOUS?) (P) CATALY?) AND (REACTION?(N)COND
L8 102 S ((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) AND (REACTION?(N)COND
L9 90 S (((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION?(N)COND
L10 84 S (((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION?(N)COND
L11 76 S (((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION?(N)COND
L12 68 S (((PARALLEL OR SIMULTANEOUS?) (S) CATALY?) (P) (REACTION?(N)COND
L13 0 S (((PARALLEL OR SIMULTANEOUS?) (S) SAME(S) CATALY?) (P) ((DIFFERENT
L14 16 S ((SAME(S) CATALY?) (P) ((DIFFERENT OR VARY?) (S) (REACTION?(N)COND

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° L12 ANSWER 54 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 55 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 56 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 57 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 58 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 59 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 60 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 61 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 62 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 63 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 64 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 65 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 66 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 67 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN
° L12 ANSWER 68 OF 68 CAPLUS COPYRIGHT 2004 ACS on STN

=> d ti au so abs 114 tot

° L14 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
° L14 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

=> s ((same(s)cataly?(s)?reactor?) (p) ((different or vary?) (s) (reaction?(n)condition?))) (p)
(conversion or selectivity or yield?)
1263062 SAME
60 SAMES
1263119 SAME
 (SAME OR SAMES)
1173937 CATALY?
432420 ?REACTOR?
1940305 DIFFERENT
40 DIFFERENTS
1940334 DIFFERENT
 (DIFFERENT OR DIFFERENTS)
294415 VARY?
3563485 REACTION?
1756915 CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION

```

        (CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
        (SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L15      0 ((SAME(S)CATALY?(S)?REACTOR?)(P)((DIFFERENT OR VARY?)(S)(REACTIO
          N?(A)CONDITION?)))(P)(CONVERSION OR SELECTIVITY OR YIELD?)

=> s ((same(s)cataly?(s)?reactor?)(p)((s)(reaction?(n)condition?)))(p)(conversion or
selectivity or yield?)
MISSING TERM 'P)((S'
The search profile entered contains a left parenthesis,
'(' followed by an operator.

=> s ((same(s)cataly?(s)?reactor?)(p)((reaction?(n)condition?)))(p)(conversion or
selectivity or yield?)
    1263062 SAME
    60 SAMES
    1263119 SAME
        (SAME OR SAMES)
    1173937 CATALY?
    432420 ?REACTOR?
    3563485 REACTION?
    1756915 CONDITION?
    417282 CONVERSION
    19901 CONVERSIONS
    428896 CONVERSION
        (CONVERSION OR CONVERSIONS)
    153532 SELECTIVITY
    11065 SELECTIVITIES
    159724 SELECTIVITY
        (SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L16      6 ((SAME(S)CATALY?(S)?REACTOR?)(P)((REACTION?(A)CONDITION?)))(P)(C
ONVERSION OR SELECTIVITY OR YIELD?)

=> d ti au so abs 116 tot

° L16 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

° L16 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

° L16 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

° L16 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

° L16 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

° L16 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

=> s ((same(s)cataly?(s)(?reactor? or bed?))(p)((reaction?(n)condition?)))(p)(conversion or
selectivity or yield?)
    1263062 SAME
    60 SAMES
    1263119 SAME
        (SAME OR SAMES)
    1173937 CATALY?
    432420 ?REACTOR?
    185596 BED?

```

```

3563485 REACTION?
1756915 CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION
    (CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
    (SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L17      7 ((SAME(S)CATALY?(S)(?REACTOR? OR BED?))(P)((REACTION?(A)CONDITIO
N?)))(P)(CONVERSION OR SELECTIVITY OR YIELD?)

=> s ((same(s)cataly?(s)(bed?))(p)((reaction?(n)condition?)))(p)(conversion or selectivity
or yield?)
    1263062 SAME
        60 SAMES
    1263119 SAME
        (SAME OR SAMES)
    1173937 CATALY?
    185596 BED?
3563485 REACTION?
1756915 CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION
    (CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
    (SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L18      3 ((SAME(S)CATALY?(S)(BED?))(P)((REACTION?(A)CONDITION?)))(P)(CONV
ERSION OR SELECTIVITY OR YIELD?)

=> d ti au so abs 118 tot

° L18 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

° L18 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

° L18 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

=> s ((same(s)cataly?(s)(parallel or simultaneous?)(s)(?reactor? or bed?))(p)((reaction?(n)
condition?)))(p)(conversion or selectivity or yield?)
    1263062 SAME
        60 SAMES
    1263119 SAME
        (SAME OR SAMES)
    1173937 CATALY?
    257004 PARALLEL
    10465 PARALLELS
    266926 PARALLEL
        (PARALLEL OR PARALLELS)
    364636 SIMULTANEOUS?
    432420 ?REACTOR?
    185596 BED?
3563485 REACTION?
1756915 CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION

```

(CONVERSION OR CONVERSIONS)
 153532 SELECTIVITY
 11065 SELECTIVITIES
 159724 SELECTIVITY
 (SELECTIVITY OR SELECTIVITIES)
 1280253 YIELD?
 L19 0 ((SAME(S)CATALY?(S)(PARALLEL OR SIMULTANEOUS?)(S)(?REACTOR? OR
 BED?))(P)((REACTION?(A)CONDITION?))(P)(CONVERSION OR SELECTIVITY
 OR YIELD?)

 => s ((same(s)cataly?(s)(parallel or simultaneous?)(s)(?reactors or beds)) and
 ((reaction?(n)condition?))) and (conversion or selectivity or yield?)
 1263062 SAME
 60 SAMES
 1263119 SAME
 (SAME OR SAMES)
 1173937 CATALY?
 257004 PARALLEL
 10465 PARALLELS
 266926 PARALLEL
 (PARALLEL OR PARALLELS)
 364636 SIMULTANEOUS?
 231334 ?REACTORS
 60587 BEDS
 6 SAME(S)CATALY?(S)(PARALLEL OR SIMULTANEOUS?)(S)(?REACTORS OR
 BEDS)
 3563485 REACTION?
 1756915 CONDITION?
 36737 REACTION?(A)CONDITION?
 417282 CONVERSION
 19901 CONVERSIONS
 428896 CONVERSION
 (CONVERSION OR CONVERSIONS)
 153532 SELECTIVITY
 11065 SELECTIVITIES
 159724 SELECTIVITY
 (SELECTIVITY OR SELECTIVITIES)
 1280253 YIELD?
 L20 0 ((SAME(S)CATALY?(S)(PARALLEL OR SIMULTANEOUS?)(S)(?REACTORS OR
 BEDS)) AND ((REACTION?(A)CONDITION?))) AND (CONVERSION OR SELECTIVITY
 OR YIELD?)

 => s ((same(s)cataly?(s)(?reactors or beds)) and ((reaction?(n)condition?))) and
 (conversion or selectivity or yield?)
 1263062 SAME
 60 SAMES
 1263119 SAME
 (SAME OR SAMES)
 1173937 CATALY?
 231334 ?REACTORS
 60587 BEDS
 124 SAME(S)CATALY?(S)(?REACTORS OR BEDS)
 3563485 REACTION?
 1756915 CONDITION?
 36737 REACTION?(A)CONDITION?
 417282 CONVERSION
 19901 CONVERSIONS
 428896 CONVERSION
 (CONVERSION OR CONVERSIONS)
 153532 SELECTIVITY
 11065 SELECTIVITIES
 159724 SELECTIVITY
 (SELECTIVITY OR SELECTIVITIES)
 1280253 YIELD?
 L21 1 ((SAME(S)CATALY?(S)(?REACTORS OR BEDS)) AND ((REACTION?(A)CONDIT
 ION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?)

=> d ti au so abs 121 tot

°L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

=> s (((same(n)cataly?)(s)(?reactors or beds)) and ((reaction?(n)condition?))) and
(conversion or selectivity or yield?)

1263062 SAME
60 SAMES
1263119 SAME
(SAME OR SAMES)
1173937 CATALY?
231334 ?REACTORS
60587 BEDS
18 (SAME(A)CATALY?)(S)(?REACTORS OR BEDS)
3563485 REACTION?
1756915 CONDITION?
36737 REACTION?(A)CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION
(CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
(SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?

L22 0 (((SAME(A)CATALY?)(S)(?REACTORS OR BEDS)) AND ((REACTION?(A)COND
ITION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?)

=> s (((same(n1)cataly?)(s)(?reactors or beds)) and ((reaction?(n)condition?))) and
(conversion or selectivity or yield?)

MISSING OPERATOR 'SAME(N1'

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s (((same(1n)cataly?)(s)(?reactors or beds)) and ((reaction?(n)condition?))) and
(conversion or selectivity or yield?)

1263062 SAME
60 SAMES
1263119 SAME
(SAME OR SAMES)
1173937 CATALY?
231334 ?REACTORS
60587 BEDS
21 (SAME(1A)CATALY?)(S)(?REACTORS OR BEDS)
3563485 REACTION?
1756915 CONDITION?
36737 REACTION?(A)CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION
(CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
(SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?

L23 0 (((SAME(1A)CATALY?)(S)(?REACTORS OR BEDS)) AND ((REACTION?(A)COND
ITION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?)

=> s (((same(1n)cataly?)(s)(?reactor? or bed?)) and ((reaction?(n)condition?))) and
(conversion or selectivity or yield?)

1263062 SAME
60 SAMES
1263119 SAME

```

(SAME OR SAMES)
1173937 CATALY?
432420 ?REACTOR?
185596 BED?
160 (SAME(1A)CATALY?)(S)(?REACTOR? OR BED?)
3563485 REACTION?
1756915 CONDITION?
36737 REACTION?(A)CONDITION?
417282 CONVERSION
19901 CONVERSIONS
428896 CONVERSION
(CONVERSION OR CONVERSIONS)
153532 SELECTIVITY
11065 SELECTIVITIES
159724 SELECTIVITY
(SELECTIVITY OR SELECTIVITIES)
1280253 YIELD?
L24 2 (((SAME(1A)CATALY?)(S)(?REACTOR? OR BED?)) AND ((REACTION?(A)CONDITION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?)

=> d ti au so abs 124 tot

```

°L24 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

°L24 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

```

=> index engineering
FILE 'ENCOMPLIT' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED
FILE 'WPIDS' ACCESS NOT AUTHORIZED
INDEX '1MOBILITY, 2MOBILITY, ABI-INFORM, AEROSPACE, ALUMINIUM, APOLLIT,
BIOTECHNO, CAPLUS, CEABA-VTB, CEN, CIN, COMPENDEX, CONFSCI, COPPERLIT,
CORROSION, DISSABS, DKF, ELCOM, EMA, ENCOMPLIT2, ENCOMPPAT2, ENERGY,
ENTEC, EUROPATFULL, FEDRIP, GEOREF, HEALSAFE, ...'
ENTERED AT 17:16:04 ON 18 FEB 2004

```

62 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

```

=> s (((same(1n)cataly?)(s)(?reactor? or bed?)) and ((reaction?(n)condition?))) and
(conversion or selectivity or yield?)
    0* FILE 1MOBILITY
    0* FILE 2MOBILITY
    0* FILE AEROSPACE
    0* FILE ALUMINIUM
    0* FILE APOLLIT
    2 FILE CAPLUS
    0* FILE CEABA-VTB
9 FILES SEARCHED...
    0* FILE CEN
    3 FILE COMPENDEX
    0* FILE CONFSCI
    0* FILE CORROSION
15 FILES SEARCHED...
    0* FILE ELCOM
    0* FILE EMA
    2* FILE ENCOMPLIT2
    0* FILE ENCOMPPAT2
    5 FILE ENERGY
22 FILES SEARCHED...
    0* FILE ENTEC
    186 FILE EUROPATFULL

```

```

24 FILES SEARCHED...
    0* FILE FEDRIP
    0* FILE GEOREF
    0* FILE HEALSAFE
    1 FILE IFIPAT
    0* FILE INIS
30 FILES SEARCHED...
    0* FILE INSPHYS
    0* FILE ITRD
    1* FILE JICST-EPLUS
    0* FILE MDF
    0* FILE NLDB
    2 FILE NTIS
    0* FILE OCEAN
    0* FILE PAPERCHEM2
    4 FILE PASCAL
40 FILES SEARCHED...
    210 FILE PCTFULL
43 FILES SEARCHED...
    0* FILE PIRA
    0* FILE PLASNEWS
    0* FILE POLLUAB
    2* FILE PROMT
    0* FILE RUSSCI
    6 FILE SCISEARCH
    0* FILE SIGLE
54 FILES SEARCHED...
    0* FILE TRIBO
    0* FILE TULSA
    0* FILE TULSA2
    983 FILE USPATFULL
    26 FILE USPAT2
61 FILES SEARCHED...

```

14 FILES HAVE ONE OR MORE ANSWERS, 62 FILES SEARCHED IN STNINDEX

L25 QUE (((SAME(1N) CATALY?)(S)(?REACTOR? OR BED?)) AND ((REACTION?(N) CONDITION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?)

=> d rank

F1	983	USPATFULL
F2	210	PCTFULL
F3	186	EUROPATFULL
F4	26	USPAT2
F5	6	SCISEARCH
F6	5	ENERGY
F7	4	PASCAL
F8	3	COMPENDEX
F9	2	CAPLUS
F10	2	NTIS
F11	2*	ENCOMPLIT2
F12	2*	PROMT
F13	1	IFIPAT
F14	1*	JICST-EPLUS

=> index chemistry
FILE 'ENCOMPLIT' ACCESS NOT AUTHORIZED
INDEX 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE,
BIOTECHNO, CABAB, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN,
COMPENDEX, CONFSCI, COPPERLIT, CORROSION, DISSABS, ENCOMPLIT2, FEDRIP,
GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...'

ENTERED AT 17:19:47 ON 18 FEB 2004

47 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

```
=> s (((same(1n)cataly?)(s)(?reactor? or bed?)) and ((reaction?(n)condition?))) and  
(conversion or selectivity or yield?)  
    0* FILE AGRICOLA  
    0* FILE ALUMINIUM  
    0* FILE APOLLIT  
    0* FILE AQUIRE  
    0* FILE BABS  
    0* FILE BIOCOMMERCE  
    2 FILE CAPLUS  
12 FILES SEARCHED...  
    0* FILE CEABA-VTB  
    0* FILE CEN  
    0* FILE CERAB  
    3 FILE COMPENDEX  
    0* FILE CONFSCI  
    0* FILE CORROSION  
    2* FILE ENCOMPLIT2  
22 FILES SEARCHED...  
    0* FILE FEDRIP  
    0* FILE INSPHYS  
    0* FILE INVESTTEXT  
    0* FILE IPA  
    1* FILE JICST-EPLUS  
31 FILES SEARCHED...  
    0* FILE NIOSHTIC  
    2 FILE NTIS  
    0* FILE PAPERCHEM2  
    4 FILE PASCAL  
    2* FILE PROMT  
    0* FILE RUSSCI  
40 FILES SEARCHED...  
    6 FILE SCISEARCH  
    0* FILE TULSA  
    0* FILE TULSA2
```

8 FILES HAVE ONE OR MORE ANSWERS, 47 FILES SEARCHED IN STNINDEX

L26 QUE (((SAME(1N) CATALY?)(S)(?REACTOR? OR BED?)) AND ((REACTION?(N) CONDITION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?)

```
=> d rank  
F1          6  SCISEARCH  
F2          4  PASCAL  
F3          3  COMPENDEX  
F4          2  CAPLUS  
F5          2  NTIS  
F6          2* ENCOMPLIT2  
F7          2* PROMT  
F8          1* JICST-EPLUS
```

```
=> file uspatfull pctfull europatfull uspat2  
FILE 'USPATFULL' ENTERED AT 17:21:38 ON 18 FEB 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```

```
FILE 'PCTFULL' ENTERED AT 17:21:38 ON 18 FEB 2004  
COPYRIGHT (C) 2004 Univentio
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```
FILE 'EUROPATFULL' ENTERED AT 17:21:38 ON 18 FEB 2004  
COPYRIGHT (c) 2004 WILA Verlag Muenchen (WILA)
```

```
FILE 'USPAT2' ENTERED AT 17:21:38 ON 18 FEB 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```

=> s (((same(1n)cataly?)(s)(?reactor? or bed?))(p)((reaction?(n)condition?)))(p)(conversion or selectivity or yield?)
L27 552 (((SAME(1N) CATALY?)(S)(?REACTOR? OR BED?))(P)((REACTION?(N) CONDITION?)))(P)(CONVERSION OR SELECTIVITY OR YIELD?)

=> s ((same(s)cataly?(s)(parallel or simultaneous?)(s)(?reactor? or bed?))(p)((reaction?(n) condition?)))(p)(conversion or selectivity or yield?)

3 FILES SEARCHED...

L28 369 (((SAME(S) CATALY?(S)(PARALLEL OR SIMULTANEOUS?)(S)(?REACTOR? OR BED?))(P)((REACTION?(N) CONDITION?)))(P)(CONVERSION OR SELECTIVITY OR YIELD?)

=> s ((same(1n)cataly?(s)(parallel or simultaneous?)(s)(?reactors or beds)) and ((reaction?(n)condition?)) and (conversion or selectivity or yield?))

L29 15 (((SAME(1N) CATALY?(S)(PARALLEL OR SIMULTANEOUS?)(S)(?REACTORS OR BEDS)) AND ((REACTION?(N) CONDITION?))) AND (CONVERSION OR SELECTIVITY OR YIELD?))

=> d ti au so abs 129 tot

° L29 ANSWER 1 OF 15 USPATFULL on STN

° L29 ANSWER 2 OF 15 USPATFULL on STN

° L29 ANSWER 3 OF 15 USPATFULL on STN

° L29 ANSWER 4 OF 15 USPATFULL on STN

° L29 ANSWER 5 OF 15 USPATFULL on STN

° L29 ANSWER 6 OF 15 USPATFULL on STN

° L29 ANSWER 7 OF 15 USPATFULL on STN

° L29 ANSWER 8 OF 15 USPATFULL on STN

° L29 ANSWER 9 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN

° L29 ANSWER 10 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN

° L29 ANSWER 11 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN

° L29 ANSWER 12 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN

° L29 ANSWER 13 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN

° L29 ANSWER 14 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN

° L29 ANSWER 15 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN

=> d ti in pi pa ai abs 129 tot

- ° L29 ANSWER 1 OF 15 USPATFULL on STN
- ° L29 ANSWER 2 OF 15 USPATFULL on STN
- ° L29 ANSWER 3 OF 15 USPATFULL on STN
- ° L29 ANSWER 4 OF 15 USPATFULL on STN
- ° L29 ANSWER 5 OF 15 USPATFULL on STN
- ° L29 ANSWER 6 OF 15 USPATFULL on STN
- ° L29 ANSWER 7 OF 15 USPATFULL on STN
- ° L29 ANSWER 8 OF 15 USPATFULL on STN
- ° L29 ANSWER 9 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
- ° L29 ANSWER 10 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
- ° L29 ANSWER 11 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
- ° L29 ANSWER 12 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
- ° L29 ANSWER 13 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN
- ° L29 ANSWER 14 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN
- ° L29 ANSWER 15 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN

=> d ti in pi pa ai ab 129 tot

- ° L29 ANSWER 1 OF 15 USPATFULL on STN
- ° L29 ANSWER 2 OF 15 USPATFULL on STN
- ° L29 ANSWER 3 OF 15 USPATFULL on STN
- ° L29 ANSWER 4 OF 15 USPATFULL on STN
- ° L29 ANSWER 5 OF 15 USPATFULL on STN
- ° L29 ANSWER 6 OF 15 USPATFULL on STN
- ° L29 ANSWER 7 OF 15 USPATFULL on STN

° L29 ANSWER 8 OF 15 USPATFULL on STN
° L29 ANSWER 9 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
° L29 ANSWER 10 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
° L29 ANSWER 11 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
° L29 ANSWER 12 OF 15 PCTFULL COPYRIGHT 2004 Univentio on STN
° L29 ANSWER 13 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN
° L29 ANSWER 14 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN
° L29 ANSWER 15 OF 15 EUROPATFULL COPYRIGHT 2004 WILA on STN

```
=> file uspat2
FILE 'USPAT2' ENTERED AT 17:31:07 ON 18 FEB 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 2001 TO PUBLICATION DATE: 17 Feb 2004 (20040217/PD)
FILE LAST UPDATED: 17 Feb 2004 (20040217/ED)
HIGHEST GRANTED PATENT NUMBER: US2003197640
HIGHEST APPLICATION PUBLICATION NUMBER: US2004031066
CA INDEXING IS CURRENT THROUGH 17 Feb 2004 (20040217/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 17 Feb 2004 (20040217/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2003

USPAT2 is a companion file to USPATFULL. USPAT2 contains full text of the latest US publications, starting in 2001, for the inventions covered in USPATFULL. USPATFULL contains full text of the original published US patents from 1971 to date and the original applications from 2001. In addition, a USPATFULL record for an invention contains a complete list of publications that may be searched in standard search fields, e.g., /PN, /PK, etc.

USPATFULL and USPAT2 can be accessed and searched together through the new cluster USPATALL. Type FILE USPATALL to enter this cluster.

Use USPATALL when searching terms such as patent assignees, classifications, or claims, that may potentially change from the earliest to the latest publication.

```
=> s ((same(ln)cataly?(s)(parallel or simultaneous?)(s)(?reactors or beds)) and
((reaction?(n)condition?))) and (conversion or selectivity or yield?)
    112453 SAME
        9 SAMES
    112453 SAME
        (SAME OR SAMES)
    13375 CATALY?
    52166 PARALLEL
        296 PARALLELS
    52271 PARALLEL
        (PARALLEL OR PARALLELS)
    38973 SIMULTANEOUS?
    1896 ?REACTORS
```

1228 BEDS
2 SAME(1A) CATALY?(S) (PARALLEL OR SIMULTANEOUS?) (S) (?REACTORS OR
BEDS)
27915 REACTION?
72604 CONDITION?
3304 REACTION?(A) CONDITION?
16502 CONVERSION
1195 CONVERSATIONS
16698 CONVERSION
(CONVERSION OR CONVERSIONS)
4312 SELECTIVITY
379 SELECTIVITIES
4368 SELECTIVITY
(SELECTIVITY OR SELECTIVITIES)
26186 YIELD?
L30 0 ((SAME(1A) CATALY?(S) (PARALLEL OR SIMULTANEOUS?) (S) (?REACTORS OR
BEDS)) AND ((REACTION?(A) CONDITION?))) AND (CONVERSION OR SELECT
IVITY OR YIELD?)

=> log y
STN INTERNATIONAL LOGOFF AT 17:31:50 ON 18 FEB 2004